PHILIP MORRIS USA

RESEARCH AND DEVELOPMENT DEPARTMENT

FINLAND TEST #134

MR4-06FD
MR4M-06FD

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FINLAND TEST #134

The following cigarette brands from Finland (Helsinki, Hyryla) were received for testing on May 14, 1976. These cigarettes were of April, 1976 production.

Marlboro Long Size 20's (Box)
Marlboro Long Size Menthol 20's (Soft Pack)

The current Marlboro long size cigarettes were not different from the previous average in any of the characteristics tested.

The current Marlboro long size menthol cigarettes were different from the previous average only in total reducing sugars which returned to the level of Test #131.

	Marlboro Long Size 20's (Soft Pack)		Marlboro Long Size Menthol 20's (Soft Pack)	
	Current	Prev. Avg.	Current	Prev. Avg.
Smoke				
Butt Length, mm	25	25	25	25
FTC Tar, mg/cigt.	16.8	17.8	18.5	18.9
TPM, mg/cigt.	21.2	22.1	22.8	23.5
Nicotine, mg/cigt.	1.08	1.07	1.07	1.07
Water, mg/cigt.	3.3	3.2	3.2	3.5
Puffs/cigt.	8.6	8.9	8.7	8.6
Filtration Eff., %	46	45	45	46
Cigarette				
Total RTD, in. of H_2O	4.7	4.8	4.9	4.8
mm of H_2O	119	122	124	122
Static Burn. Time, min.	7.2	7.7	7.6	7.8
Length, mm	79.6	79.5	79.5	79.6
Circumference, mm	25.0	25.0	24.9	25.0
Diameter, mm	8.0	8.0	7.9	8.0
Paper				
Porosity, sec.	19	18	22	18
Filter				
RTD, in. of H_2O	3.0	3.0	2.9	3.0
mm of H_2O	76	76	74	76
Length, mm	18.0	18.0	18.1	18.3
Weight, g	0.13	0.13	0.13	0.13
Tipping paper length, mm	22	22	22	22
Filler				
Total alkaloids, %	1.49	1.49	1.55	1.49
Total reducing sugars, %	7.8	8.2	8.2	8.52
Wt. of tob., 1,000 cigts., g	802	821	817	819
1,000 cigts., lbs.	1.7660	1.8067	1.7990	1.8023
Rod Density, g/cc	0.262	0.268	0.270	0.266
[1]C.V., cc/10 g	30	30	31	31
C.V., cc/10 g (Corrected to 12% O.V.)	35	36	36	37
[1]Oven Volatiles, %	13.6	14.0	13.6	14.0
Menthol, mg/cigt.				
Smoke	-	-	0.29	0.31
Filler	-	-	1.1	1.2
Filter	-	-	0.5	0.5

[1]Equilibrated at 75°F and 60% R.H. for 48 hrs.
[2]Results of Test #132, dated April 29, 1976, where a change was noted.

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